Amendments to the Claims:

Claims 1-30 were canceled and new claims 31-46 added in a preliminary amendment mailed prior to examination. Please amend claim 39 as follows:

1.-30. (cancelled).

1   31. (previously presented) A programmable control for an appliance,
2   the appliance responding to one of a plurality of transmission schemes, the
3   programmable control comprising:
4   a transmitter operative to transmit a radio frequency activation signal
5   based on any of the plurality of transmission schemes;
6   a user programming input; and
7   control logic in communication with the transmitter and the user
8   programming input, the control logic implementing a rolling code programming
9   mode, a fixed code programming mode and an operating mode, the control logic in
10   rolling code programming mode generating and transmitting a sequence of rolling
11   code activation signals until user input indicates a successful rolling code transmission
12   scheme, the control logic in fixed code programming mode receiving a fixed code
13   from the user programming input then generating and transmitting a sequence of
14   fixed code activation signals until user input indicates a successful fixed code
15   transmission scheme, the control logic pausing for a preset amount of time between
16   the transmission of each activation signal in at least one of the sequence of rolling
17   code activation signals and the sequence of fixed code activation signals, the preset
18   amount of time sufficiently long to permit the user to respond and, if the user has not
19   responded by the end of the preset amount of time, the control unit transmitting the
20   next activation signal in the transmitted sequence of activations signals.

1   32. (previously presented) The system of claim 31 wherein the user
2   responds by selecting one of a plurality of activation inputs.

1   33. (previously presented) The system of claim 32 wherein the

2   control unit stores characteristics of the last transmitted activation signal in

3   association with the selected one of the plurality of activation inputs.

1   34. (previously presented) The system of claim 33 wherein the

2   control logic in the operating mode determines which one of the plurality of

3   activation inputs has been asserted and transmits an activation signal based on the

4   stored characteristics associated with the asserted activation input.

1   35. (previously presented) A method of activating an appliance, the

2   appliance controlled by a radio frequency activation signal, the method comprising:

3   if a user indicates that the appliance is activated by a rolling code

4   activation signal, transmitting a sequence of different rolling code activation signals,

5   each rolling code activation signal in the sequence of rolling code activation signals

6   separated from a next rolling code activation signal in the sequence of rolling code

7   activation signals by a preset amount of time, the sequence of rolling code activation

8   signals transmitted until the user indicates a successful rolling code transmission, then

9   storing data representing a rolling code scheme used to generate the successful rolling

10   code transmission;

11   if the user indicates that the appliance is activated by a fixed code

12   activation signal, using a fixed code word to generate and transmit each of a sequence

13   of different fixed code activation signals, each fixed code activation signal in the

14   sequence of activation signals separated from a next fixed code activation signal in

15   the sequence of fixed code activation signals by the preset amount of time, the

16   sequence of fixed code activation signals transmitted until the user indicates a

17   successful fixed code transmission, then storing data representing the fixed code word

18   and a fixed code scheme used to generate the successful fixed code transmission; and

19   in response to an activation input, generating and transmitting an

20   activation signal based on stored data.

1   36. (previously presented) The method of claim 35 wherein the
2   activation input is one of a plurality of activation inputs, the user associating data
3   representing one of either the rolling code scheme used to generate the successful
4   rolling code transmission or the fixed code scheme used to generate the successful
5   fixed code transmission associated with one of the plurality of activation inputs.

1   37. (previously presented) The method of claim 35 wherein the
2   activation input is one of a plurality of activation inputs, the user associating data
3   representing the rolling code scheme used to generate the successful rolling code
4   transmission with one of the plurality of activation inputs by indicating the successful
5   rolling code transmission.

1   38. (previously presented) The method of claim 35 wherein the
2   activation input is one of a plurality of activation inputs, the user associating data
3   representing the fixed code word and the fixed code scheme used to generate the
4   successful fixed code transmission with one of the plurality of activation inputs by
5   indicating the successful fixed code transmission.

1   39. (currently amended) A method of programming a programmable
2   remote control, the remote control programmable to one of a plurality of appliance
3   activation schemes, the method comprising:
4   receiving user type input specifying activation signal type;
5   if the user type input specifies variable code type,   automatically
6   transmitting variable code activation signals spaced apart by a preset amount of time
7   until receiving user success input indicating a target appliance has been activated;
8   if the user type input specifies fixed code type, receiving user fixed
9   code input providing a fixed code and automatically transmitting fixed code activation
10   signals spaced apart by the preset amount of time until receiving user success input
11   indicating the target appliance has been activated; and

12   storing information specifying an activation signal for activating the

13 target appliance based on the received user success input;

14   wherein the preset amount of time is sufficiently long enough to permit

15 a user to generate the user success input.

1   40. (previously presented) The method of claim 39 further

2 comprising associating the stored information with one of the plurality of activation

3 inputs.

1   41. (previously presented) The method of claim 40 wherein the one

2 of the plurality of activation inputs is determined by the received user success input.

1   42. (previously presented) A system for wirelessly activating an

2 appliance, the appliance responding to one of a plurality of transmission schemes, the

3 system comprising:

4   a radio frequency transmitter;

5   memory holding data describing the plurality of transmission schemes;

6 and

7   control logic in communication with the transmitter and the memory,

8 the control logic operative to

9   (a)   store a fixed code,

10   (b)   if a fixed code is stored, transmit a sequence of fixed code

11   activation signals, based on the fixed code and data held in the

12   memory, until input indicating activation of the appliance is

13   received, each transmission of a fixed code activation signal in

14   the sequence of fixed code activation signals followed by a

15   fixed code sequence time period without transmission long

16   enough to permit a user to enter the input indicating activation

17   of the appliance,

18   (c)   if no fixed code is stored, transmit a sequence of rolling code

19   activation signals, based on data held in the memory, until

20   input indicating activation of the appliance is received, each

21   transmission of a rolling code activation signal in the sequence

22   of rolling code activation signals followed by a rolling code

23   time period without transmission long enough to permit the

24   user to enter the input indicating activation of the appliance,

25   (d)   store an indication as to which activation scheme activated the

26   appliance based on the received input indicating activation of

27   the appliance, and

28   (e)   generate an activation signal based on the stored indication and

29   a received activation input.

1   43. (previously presented) A method of programming a

2   programmable remote control, the remote control programmable to one of a plurality

3   of appliance activation schemes, the method comprising:

4   transmitting a test activation signal based on one of the plurality of

5   appliance activation schemes;

6   if user input indicating appliance activation is received during a preset

7   amount of time following transmission of the test activation signal, storing

8   characteristics of the activation scheme used to transmit the test activation signal;

9   otherwise, transmitting a different activation signal as the test

10   activation signal based on another of the plurality of appliance activation schemes if

11   any of the activation schemes in the plurality of activation signals has not been used

12   to transmit an activation signal.

1   44. (previously presented) The method of claim 43 wherein the user

2   input is one of a plurality of activation inputs.

1   45. (previously presented) The method of claim 44 wherein the

2 characteristics of the activation scheme used to transmit the test activation signal are

3 stored in association with the one activation input.

1   46. (previously presented) The method of claim 45 further

2 comprising receiving an assertion of the one activation input and transmitting an

3 activation signal based on the stored characteristics.